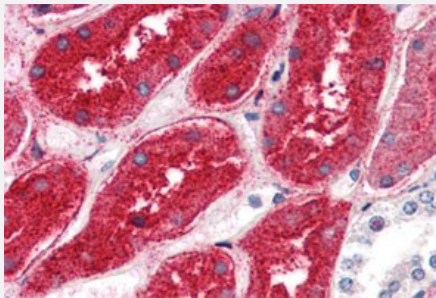


DPEP1 polyclonal antibody

Catalog # PAB26064

Size 50 ug

Applications



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemical staining of human kidney with DPEP1 polyclonal antibody (Cat # PAB26064).

Immunohistochemistry of formalin-fixed, paraffin-embedded tissue after heat-induced antigen retrieval.

Specification

Product Description	Rabbit polyclonal antibody raised against synthetic peptide of DPEP1.
Immunogen	A synthetic peptide corresponding to 18 amino acids at N-terminus of human DPEP1.
Host	Rabbit
Reactivity	Human
Specificity	BLAST analysis of the peptide immunogen showed no homology with other human proteins.
Form	Liquid
Purification	Immunoaffinity chromatography
Recommend Usage	Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) (2.5 ug/mL) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS (0.09% sodium azide)
Storage Instruction	Store at 4°C. For long term storage store at -80°C. Aliquot to avoid repeated freezing and thawing.

Note

This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

- Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

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Gene Info — DPEP1

Entrez GeneID [1800](#)

Protein Accession# [P16444](#)

Gene Name DPEP1

Gene Alias MBD1, MDP, RDP

Gene Description dipeptidase 1 (renal)

Omim ID [179780](#)

Gene Ontology [Hyperlink](#)

Gene Summary DPEP1 (EC 3.4.13.11) is a kidney membrane enzyme that hydrolyzes a variety of dipeptides and is implicated in renal metabolism of glutathione and its conjugates, e.g., leukotriene D4 (Kozak and Tate, 1982 [PubMed 6122685]). DPEP1 is responsible for hydrolysis of the beta-lactam ring of antibiotics, such as penem and carbapenem (Campbell et al., 1984 [PubMed 6334084]). Earlier, beta-lactamase enzymes were thought to occur only in bacteria, where their probable function was in protecting the organisms against the action of beta-lactam antibiotics. These antibiotics exhibit selective toxicity against bacteria but virtual inertness against many eukaryotic cells (Adachi et al., 1990 [PubMed 2303490]).[supplied by OMIM]

Other Designations OTTHUMP00000175356|dipeptidase 1